The contents of the presentation

- Introduction
- Work plan items
- Studies and selected preliminary results
- Current and pending areas of research and training for 2011/2012
Selected Research Activities

**FY 2010/2011**
- Conservation farming
- Agriculture and nutrition linkages
- Smallholder market participation
- Income Proxy analysis for Title II partners

**Ongoing and future**
- Study on the Transformation of Agriculture in Mozambique
- Horticultural production and marketing
- PAPA: Impacts

Conservation farming
- Conservation farming definitions vary
- Recommendations to farmers vary
  - Legume intercropping and mulch
  - Land use management and CF
  - External inputs with CF
- Proposal: CF Conference in 2012 to bring training tools, experiences, evidence to the table, methods for determining development impacts, and future research

http://www.aec.msu.edu/fs2/inputs/03_Grabowski_CA_Symposium_%20presentation_final%20%5BCompatibility%20Mode%5D.pdf

Agriculture Nutrition Linkages

- Identification of 5 basic approaches
  1. Trickle down (income $\rightarrow$ improved income)
  2. Biofortification (OFSP)
  3. Fortification
  4. Ag-Based Diet Diversity
  5. Gender-based approaches

Forthcoming research report by Kim Chung
Smallholder market Participation

Conclusions from the panel study 2002-2005

- Farmers with greater landholding participate more in maize markets
- Household receipt of market price information leads to an 18% increase in agricultural income
- Higher maize prices tend to lower sales, especially in low potential areas
- Not clear that market access with improved infrastructure will increase marketing output without input access

http://www.aec.msu.edu/fs2/papers/idwp113.pdf

Value Chain studies

- Irish Potatoes (G.Manjate, G.Mlay) Analysis, with report pending
- I2 vaccine (A. Tomo)
- Profitability of Broilers (C. Amaral)
- Common beans and cowpeas (Pulse CRSP and PABREN research, reports pending)

Cassava Marketing

- Field research with CESE teams
- Agro-processing options are available and market potential is strong
- Production for the markets is a constraint in north and south;
- Need to continue efforts to link cassava research to industrial demand

Soon to be found at http://www.aec.msu.edu/fs2/gisama/index.htm

Dried Cassava and Maize Grain: Real Wholesale Prices
Nampula, 1999-2011 (Mtn/kg, Base Dec 2010)

Source: SIMA
Study on Transformation of Agriculture in Mozambique, 2008-2011

Objectives

- Have market opportunities and prices received by farmers in Mozambique increased broadly and significantly since 2008?
  - Eg., world commodity prices; domestic demand for soybeans
- If so, have producers been able to respond to changes? How have they responded? Which producers?
  - Extensification vs. intensification; changing crop mix
- What are the factors that have played an important part in any observed producer response?
  - What support services are needed to generate robust response?

FY 2011/12

- Continued work with PEDSA/CAADP process
- Conclusion of on-going VC studies with CESE
- Training of a new group of CESE tecnicos and selected DE staff
- Bean and cowpea value chains (Pulse CRSP and IIAM) and task force/innovation platform development
- UEM collaboration on Policy Analysis and Policy Center
- Horticulture and School feeding program (USAID/Brazil, Trilateral Program)

Horticulture

- Predominance of informal sector over supermarkets
  - Implications for public/private investment in wholesale markets
- Predominance of imports
  - 65% tomato, 57% cabbage, 99% onion
- Big potential environmental and human health implications of increased local production
  - Chemical use in hot-wet season
  - Contaminated water for irrigation in peri-urban areas
  - How to exploit production potential while safeguarding environment and human health?
Other related MSU efforts

- Support to CAADP process:
  - Identification of key areas for agriculture nutrition linkages support
  - Website with policy and other documents
- SIMA: Innovations in market information
- Impact evaluation (MCC) with Land Project
- Gates Foundation GISAMA Regional Marketing Project (cassava and MIS) [http://www.aec.msu.edu/fs2/gisama/index.htm](http://www.aec.msu.edu/fs2/gisama/index.htm)

Obrigada

- Visit: [http://www.aec.msu.edu/fs2/mozambique/index.htm](http://www.aec.msu.edu/fs2/mozambique/index.htm)
  - Google: MSU Mozambique CAADP
  - [http://www.aec.msu.edu/fs2/mozambique/index.htm](http://www.aec.msu.edu/fs2/mozambique/index.htm)

Thanks again to:

- IIAM
- USAID
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